

## Bayer-18

Cat. No. CEI-1130

Lot. No. (See product label)

### Introduction

**Description** Bayer-18 is a selective TYK2 inhibitor, with an  $IC_{50}$ =18.7nM on TYK2. The compound shows 1000 fold selectivity against JAK2, CDK and KDR.

**Synonyms** JTK1

### Product Information

**CAS No.** 1251752-12-1

**Molecular Formula** C<sub>19</sub>H<sub>27</sub>FN<sub>6</sub>O<sub>2</sub>

**Chemical Name** 1-tert-butyl-3-[3-[[5-fluoro-4-[(2-hydroxy-1,1-dimethyl-ethyl)amino]pyrimidin-2-yl]amino]phenyl]urea

**Molecular Weight** 390.46

**Purity** > 95%

**Targets** TYK2

**Solubility** DMSO > 112mg/mL Water >1mg/mL Ethanol > 4mg/mL

### Storage and Shipping Information

**Storage** 4 centigrade

**Stability** 2 years -20 centigrade Powder 1 month -4 centigrade in DMSO More than one month -80 centigrade in DMSO